Alberta
ENERGY

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08-09

GAS ROYALTY CALCULATION INFORMATION BULLETIN
September 2008

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PLEASE ENSURE YOUR PRODUCTION ACCOUNTANTS RECEIVE A COPY OF THIS DOCUMENT.

A. PRICING RATES AND TRANSPORTATION INFORMATION

For Pricing, Royalty Rates and Transportation Information for July 2008, refer to Attachments 1, 1A, 2, 2A, and 3. These attachments are also available in Excel format.

B. NOTICES

New Royalty Framework Update to the User Defined File Handbooks

Effective the January 2009 billing period invoice, issued in the calendar month of March 2009, the following changes to EDI documents will be implemented:

INVUDF

- Charge type "044 - Monthly Operating Cost Deduction" will be added to the invoice detail information (record 33)

CRDUDF

- Vintage tiers for natural gas will be eliminated; as a result, there will be a single royalty rate applied to Gas, Ethane and Pentane products, and Vintage Adjustments will no longer be given.

  The Natural Gas Royalty Rate formula is now based on the price and well production of the well producing that gas. Details of the royalty rate calculation will be given in the accompanying "Well Event Average Royalty Rate" details report.

  To allow for compatibility with the existing UDF structure, all natural gas can be treated as 100% "OLD" vintage. This will result in no Vintage Adjustments being given and the "Old Royalty Rate" now being the Royalty Rate applied under the new Royalty Regime.

- Corporate Average Prices and the Low Productivity allowance have been eliminated; as a result, CAP and Low Productivity adjustments will no longer be calculated.

Software providers and industry members who have requested this information, from the Business Systems Coordination team, have been notified of this change. As a precaution and to ensure that all software providers have been notified please forward this information as deemed necessary.

To view the changes in the UDF handbook, go to the Natural Gas website's Royalty Related Information page, under Crown Royalty Detail Statement (January 2009) and Invoice (January 2009).

For further information or to coordinate testing of these changes, please contact Penny White at (780) 422-9261.

Royalty Payments

Wire / EFT (Electronic Funds Transfer)
For gas royalty payments made by wire /electronic transfer; the beneficiary name on the electronic

funds transfer form should be reflected as Gas Royalty. Payments are to be made payable to the Minister of Finance.

Rapid Trans Deposit Slips
Further to Appendix K of the Alberta Natural Gas Royalty Principles and Procedures, royalty payers are required to fax a copy of their rapid trans deposit slip to the Financial Services Division Cashiers at fax number (780) 422-4281 for the following reasons:

- Your Alberta Energy Rapid Trans Deposit Slip is our notification of your payment remittance and is reconciled to the bank information we receive from the Canadian Imperial Bank of Commerce.

- The Canadian Imperial Bank of Commerce does not provide a copy of the Alberta Energy Rapid Trans Deposit Slip to our offices and have implemented a charge per deposit slip if they are requested to provide this information on a client's behalf.

- We require the information from your Alberta Energy Rapid Trans Deposit Slip to ensure your payment is allocated promptly to your gas royalty account.

Royalty clients are reminded that payments may be made by the pre-authorized automatic debit method. Additional information on automatic debit payments are included in the July 2005 Gas Royalty Calculation Information Bulletin.

For further information you may contact Susan Weedon of Gas Royalty Accounts at (780) 422-9267 or Donna McLachlan of Financial Services at (780) 422-2872.

Statutory Requirement and Recalculation of 2004 Royalty

A production year becomes statute barred on December 31st, four years after the end of a production year. Once a year has become statute barred, calculation or recalculation of royalty does not occur on a monthly basis.

Section 38 of the Mines and Minerals Act provides for recalculation of royalty that can be initiated in two ways:
1. On the department's initiative in conjunction with an audit or examination; or
2. At the request of a royalty payer.

Audits in Progress

Non-operator partners are advised that certain 2004 allowable costs, custom processing fees, capital costs and custom processing adjustment factor (CPAF), and reporting discrepancy audits are currently in progress. It is anticipated that these audits may be completed before Dec. 31, 2008. However, should circumstances require that these audits be completed in 2009, a list of the affected ERCB facilities will be included in the December 2008 Information Bulletin.

Royalty clients are also reminded that amendments received by the department in the fourth year following the production year may be subject to audit. If the amendments are received late in the fourth year and insufficient time is available for the department to commence a review of the amendments prior to the end of the year, the department reserves the right to commence the audit at the beginning of the fifth year.

If you have any questions, please contact Kris Pretty of the Compliance & Assurance group at (403) 297-8785.

Industry Recalculation of 2004 Royalty

Industry initiated royalty recalculation requests for the 2004 production year must be submitted in writing to the attention of Richard Stokl, Manager of Gas Royalty Client Services. This request must be received by the department on, or before, December 31, 2008 and it must include the following:

- Identification of the recalculation facility or facilities;
- The reason for the recalculation;
- An order of magnitude estimate, i.e. the approximate amount of the royalty impact;
- Identification of the royalty clients that may be impacted by the request;
- The time lines for recalculation preparation and submission to the Crown including a reasonable time for the Crown to review the submission; and
- Confirmation that the affected partner(s) have been notified.

If you have any questions regarding this process please contact your Gas Royalty Client Services portfolio representative as identified in Section F of this bulletin.

Operating Costs Subject to Recapture

The Potential Operating Cost Recapture report for the 2007 production year was issued in the June 2008 calendar month and continues to be issued monthly with the invoice. Operating costs are recaptured from a royalty client who has volumes at a facility where they have no capital ownership (as identified on the AC1, AC2 or AC3 submission) and no reported custom processing fees (AC5). A royalty client who is not an owner at a facility, and does not pay custom processing fees, is not entitled to the operating costs they received on a monthly basis. The operating costs subject to recapture will be charged in the August 2008 billing period invoice issued in October 2008.

C. MONTHLY INFORMATION

July 2008 Royalty Due October 31

- **Royalty clients are to remit the total amount payable shown on the October 2008 Statement of Account by October 31, 2008.** If the amount payable includes accrued current period interest, the interest has only been accrued to the statement issue date. Clients must also include the additional interest that has accrued from the statement issue date to the date of payment, using the per diem amount provided.

- **The October 2008 Statement of Account shows your amount payable as of the Statement issue date. It includes any outstanding balances from your previous statement, your July 2008 Invoice amount and any applicable current period interest charges. It also identifies refunds resulting from overpayments.**

- Current period interest will not be charged on current invoice charges for the production month of July 2008 if it is paid in full by October 31, 2008.

- Current period interest will accrue on any overdue charges commencing the first day after the due-date until it is paid in full.

  Note: If the due date falls on a non-business day, the next business day will apply as the due date.

- Cheques are payable to the Minister of Finance, Province of Alberta.

August 2008 VA4 Due October 15

The VA4 forms for the production month of August 2008 are due in the department offices by October 15, 2008.

Note: If the due date falls on a non-business day, the next business day will apply as the due date for VA4 forms.

Registry Deadline Submissions

The Registry deadline submissions for SAF, OAF, and Volumetrics are posted in the Petroleum Registry of Alberta website "Reporting Calendars" under Bulletin Board.

Changes to this calendar will be posted on the Registry website home page in "Broadcast Messages."

Interest Rate September 2008

Alberta Energy's interest rate for September 2008 is 5.75%.

June Provisional Assessment Charge

The summary of Provisional Assessment Charges for all production periods in the June 2008 billing period was:

First Time Provisional Assessment	Reversals of Provisional Assessments	Net Provisional Assessment
$7,762,455.40	($8,962,576.02)	($1,200,120.62)

June Penalty Charges

The penalty table below shows at the form level, the total penalty charges and reversals, for the June 2008 billing period:

Form	Penalty Charges	Penalty Reversals	Net Penalty Charges for 2008/06
AC2	$11,800	$0	$11,800
AC4	$0	$0	$0
AC5	$3,700	$0	$3,700
GR2	$0	$0	$0
NGL1	$1,000	$0	$1,000
VA2	$0	$0	$0
VA3	$0	$0	$0
VA4	$200	$0	$200
Total	$16,700	$0	$16,700

Gas Royalty Calculation Support

Gas Royalty Calculation staff will be available monthly to meet with clients who need assistance with royalty reporting. Royalty clients requiring assistance are encouraged to call Richard Stokl, Manager, Client Services (780-422-9258) or e-mail richard.stokl@gov.ab.ca two business days before the meeting date to arrange an appointment. The October through December schedule is as follows:

Where:

AMEC Place
Room 437, 801-6 Avenue SW
Calgary, Alberta
Phone: 403-297-8954
(Industry must go to the 3rd Floor Reception upon arrival to sign-in and be given a visitor tag)

When – 10 am to 3 pm

October 30, 2008
November 27, 2008
December 11, 2008

D. INFRASTRUCTURE DATA CHANGES

Client ID Listing

The BA Identifiers Report is a directory of Business Associate (BA) names, codes, status (e.g. struck, active, amalgamated, etc.), status effective dates, and effective August 2004, includes Working Interest Owner (WIO) role start/end dates.

This report is also published daily on the Petroleum Registry website at:

http://www.petroleumregistry.gov.ab.ca

The department reminds Business Associates to review their WIO role to ensure the start and end dates are reflected correctly. If the BA does not have an active WIO role, the operators cannot allocate volumes to the BA for the relevant production periods through the SAF/OAF allocations.

- If a BA has a WIO role, then that BA can receive SAF/OAF allocations from the WIO role start date forward.
- If a BA has a WIO role with an end date, then they can only receive SAF/OAF allocations from the WIO role start date until the end date. Any SAF/OAF allocations after the end date will be rejected.
- If a BA does not have a WIO role start date, then that BA cannot receive SAF/OAF allocations.

Please contact Client Registry at 780-422-1395 if you have any questions regarding the information supplied on this listing.

Client Status Changes

Clients must ensure that all royalty documents are completed using only valid client names and IDs. It is critical that royalty clients use current legal client names and their appropriate IDs on all documents to ensure accurate royalty calculation and to prevent provisional assessment and penalties. Rejects will occur when invalid IDs are used.

If you require information regarding client names or IDs, please contact Client Registry at 780-422-1395.

Nova Tolls - Multiple Gas Reference Prices

Royalty information related to the implementation of the Factor Model negotiated with industry for determining Multiple Gas Valuation Prices is provided on the Natural Gas website's Royalty Related Information page under Facility Royalty Trigger Factors and Meter Station Ties.

E. REMINDERS

New Royalty Framework Training Sessions

The Gas Royalty Calculation Unit will be conducting training session in Calgary on the New Royalty Framework (NRF). We will be hosting morning and afternoon sessions on October 30th and 31st. The morning sessions will focus on the new royalty formula and the afternoon sessions will focus on the Natural Gas Deep Drilling Program (NGDDP) and Allowable Costs. Please note that Thursday and Friday's sessions are the same.

Thursday, October 30, 2008
Session 1: 9:30 a.m., NRF Formula (FULL)
Session 2: 1:30 p.m., NGDDP & Costs (FULL)

Friday, October 31, 2008
Session 3: 9:30 a.m., NRF Formula (FULL)
Session 4: 1:30 p.m., NGDDP & Costs
(15 seats left)

These information sessions will take place at:
EnCana Tower Centre
Room 280 – Amphitheatre
155 – 9 Avenue SE

Each session is expected to last approximately two (2) hours; including time for both presentations by Gas Royalty Calculation Unit staff and a question period.

Please email Wendy.Stenbeck@gov.ab.ca by Wednesday October 22, 2008, to register. Once session four (4) is full, we will add your name to our waiting list for a future session and the date is yet to be determined.

F. POINTS OF CONTACT

Petroleum Registry of Alberta

The Petroleum Registry of Alberta Service Desk is the focal point for communications with the Registry regarding preparations for, access to, or utilization of the Registry. To contact the Petroleum Registry of Alberta Service Desk call: 1-800-992-1144.

Alberta Energy Internet

Prices, Royalty Rates, and Transportation Information are available on the Alberta Energy Internet address: www.energy.alberta.ca, from "Our Business", navigate to "Natural Gas", "About Natural Gas", "Prices", "Alberta Natural Gas Reference Price (ARP)".

In addition, both the Gas Royalty Calculation Information Bulletins and Information Letters are also available under "Our Business", navigate to "Natural Gas", "Legislation, Guidelines & Policies".

Gas Royalty Client Services

Gas Royalty Client Services is structured as a Business Associate client portfolio system, which assigns a given Business Associate to one of four Client Service teams. Listed below is the portfolio breakdown along with Client Service Team Leads and phone numbers. The portfolios are divided by company name and not by BA ID.

Example: If your company name is the "Gas Company" you would call C – G team at 780-644-1202.

Business Associate	Phone Number and E-mail Address	Team Lead
Numbered companies, A, B & L	780-644-1201 GRCST1@gov.ab.ca	Mary Spearing
C – G	780-644-1202 GRCST2@gov.ab.ca	Todd Atwood
H – P (excluding L)	780-644-1203 GRCST3@gov.ab.ca	Chris Nixon
Q – Z	780-644-1204 GRCST4@gov.ab.ca	Jyoti Bhambhani

Gas Royalty Reception: 780-427-2962
Fax: 780-427-3334 or 780-422-8732
Alberta Toll Free: 780-310-0000

Hours of operation are 8:15 a.m. to 4:30 p.m. Voice messages left after 4:30 p.m. will be answered the next business day.

In situations where a company has just amalgamated or purchased another company, the general rule is to call the team that is responsible for the "Supra" business associate, or Royalty payer.

Below are some guidelines for clients who are unsure which Client Services Team to call regarding their questions.

1. **Amalgamation/consolidation** - Call the team responsible for the "Supra" business associate (Royalty Payer).
   i.e. ABC Oil and Gas amalgamates with Zed Exploration and Zed is the amalgamator (royalty payer). When calling Client Services regarding business for ABC Oil and Gas, you would call Team 4 (Q-Z) (780-644-1204) because Zed Exploration is now the Supra business associate and royalty payer. This rule would apply even if you were calling regarding business that is prior to the acquisition or amalgamation.

2. **Asset Purchase** - Call the team responsible for your company.
   i.e. 123 Gas purchases the assets of TSP Exploration, but not the company. When calling Client Services regarding business for 123 Gas, you would call Team 1 (# Co., A, B, & L) (780-644-1201) because you have only purchased assets.

3. **Consultants/service providers** - If you have a contract to provide production accounting services to a company, call the team responsible for your client's company.
   i.e. Paul Snow Consulting Services enters into a contract with Duckback Oil and Gas and Olive Oil and Gas. Paul Snow would contact Team 2 (C-G) (780-644-1202) to discuss Duckback Oil business and Team 3 (H-P excluding L) (780-644-1203) to discuss Olive Oil and Gas business. At the time the contract is signed, Paul Snow would have had each company notify the appropriate team that he was authorized to access information for their company.

Reference Prices and Valuation Allowances Calculation Information

Gas Royalty Valuation and Markets
300, 801 – 6 Avenue SW
Calgary, Alberta T2P 3W2
Telephone: 403-297-5514
Fax: 403-297-5400

Deen Khan
Director, Gas Royalty Calculation
Royalty Operations - Edmonton

Attachments

2008 GAS AND ISC PRICES

MONTH	Gas Reference Price ($/GJ)	Methane ISC Reference Price ($/GJ)	Methane ISC Par Price ($/GJ)	Ethane ISC Reference Price ($/GJ)	Propane ISC Reference Price ($/GJ)	Butane ISC Reference Price ($/GJ)	Pentanes plus ISC Reference Price ($/GJ)
JAN	6.19	6.13	6.13	6.61	6.80	6.83	6.86
FEB	6.72	6.66	6.66	7.20	7.40	7.44	7.46
MAR	7.52	7.45	7.45	8.09	8.30	8.33	8.33
APR	8.11	8.05	8.05	8.64	8.87	8.89	8.92
MAY	8.92	8.86	8.86	9.43	9.60	9.62	9.64
JUN	9.81	9.75	9.75	10.36	10.53	10.57	10.62
JUL	9.84	9.82	9.82	10.05	10.03	10.05	10.06
AUG							
SEPT							
OCT							
NOV							
DEC							

Natural Gas and NGLs Select Prices for 2008	
Commodity	2008
New Methane	1.496$/GJ
Old Methane	0.441 $/GJ
New Ethane	1.496 $/GJ
Old Ethane	0.441 $/GJ
Propane	1.496 $/GJ
Butane	1.496 $/GJ
Pentanes plus	53.49$/m3

Royalty Factors for Pentanes plus		
	Base	Marginal
New Pentanes	22	35
Old Pentanes	22	50

DETAIL OF THE JULY 2008 GAS AND ISC REFERENCE PRICES

	Gas	Methane	C2-IC	C3-IC	C4-IC	C5-IC
Weighted Average Price of Alberta	10.036	10.027	10.229	10.232	10.232	10.241
Deductions: Intra – Alberta Transportation	0.251	0.267	0.152	0.107	0.083	0.063
Marketing Allowance	0.012	0.012	0.012	0.012	0.012	0.012
Price Before Pipeline Factor	9.773	9.748	10.065	10.113	10.137	10.166
Pipeline Fuel/Loss Factor	0.992	0.992	0.992	0.992	0.992	0.992
Price before Special Adjustment	9.697	9.673	9.987	10.035	10.058	10.087
Special Adjustment	0.000	0.000	0.000	0.000	0.000	0.000
Price before 2% amendment limitation or rounding	9.697	9.673	9.987	10.035	10.058	10.087
Amendments: Carry forward (from previous RP month)	0.003	-0.004	0.004	-0.002	0.004	-0.004
Prior Period Amendment Adjustment (current RP month)	0.138	0.155	0.058	-0.006	-0.015	-0.021
Calculated RP after Amendments	9.838	9.824	10.049	10.027	10.047	10.062
July 2008 Reference Price	**9.84**	**9.82**	**10.05**	**10.03**	**10.05**	**10.06**
Difference = value carried forward to next RP month	-0.002	0.004	-0.001	-0.003	-0.002	0.002
Adjusted IATD (before Prior Period Amendments)	n/a	0.265	0.151	0.106	0.082	0.063
Prior period Amendments (IATD and Pipeline Fuel Loss)	n/a	0.000	0.000	0.000	0.000	0.000
Adjusted IATD (after Prior Period Amendments)	n/a	0.265	0.151	0.106	0.082	0.063

2007 Weighted Average Gas Reference Price ($/GJ)
5.892

2007 Weighted Average OMAC ($/GJ)
0.019

2008
NATURAL GAS LIQUIDS PRICES

MONTH	Ethane Reference Price ($/GJ)	Ethane Par Price ($/GJ)	Propane Reference Price ($/m3)	Propane Par Price ($/GJ)	Propane Floor Price ($/m3)	Butanes Reference Price ($/m3)	Butanes Par Price ($/GJ)	Butanes Floor Price ($/m3)	Pentanes plus Reference Price ($/m3)	Pentanes plus Par Price ($/m3)	Sulphur Default Price ($ per tonne)
JAN	6.61	6.61	379.50	6.80	324.38	533.35	6.83	402.11	631.90	615.30	189.25
FEB	7.20	7.20	372.15	7.40	326.74	510.61	7.44	361.31	642.42	621.84	233.95
MAR	8.09	8.09	366.78	8.30	336.54	536.12	8.33	370.17	722.53	700.18	156.12
APR	8.64	8.64	391.64	8.87	359.16	570.73	8.89	402.66	803.40	785.56	319.79
MAY	9.43	9.43	417.08	9.60	383.50	600.75	9.62	446.12	852.62	836.89	441.28
JUN	10.36	10.36	431.45	10.53	404.71	637.23	10.57	475.15	904.18	884.40	383.60
JUL	10.05	10.05	440.23	10.03	410.70	643.13	10.05	455.54	891.11	853.74	558.76
AUG											
SEPT											
OCT											
NOV											
DEC											

ANNUAL SULPHUR DEFAULT PRICE				
2003	2004	2005	2006	2007
$31.24	$31.90	$33.98	$18.82	$32.86

2008
NGL TRANSPORTATION ALLOWANCE AND DEDUCTIONS

MONTH	PENTANES PLUS (a)				PROPANE AND BUTANE (b)				PENTANES PLUS, PROPANE & BUTANE (c)				FRAC. ALLOW. (per m3)
	REGION				REGION				REGION				
	1	2	3	4	1	2	3	4	1	2	3	4	
JAN	17.37	-0.22	62.47	29.39	35.99	24.98	32.04	15.08	44.40	38.81	63.16	51.03	16.50
FEB	13.43	3.95	64.16	30.61	34.76	29.17	25.89	13.45	52.91	46.63	53.16	50.46	16.50
MAR	0.67	16.56	94.84	41.39	36.16	45.23	35.64	15.92	60.46	56.46	92.37	60.25	16.50
APR	14.81	5.88	82.39	12.17	26.49	37.71	48.56	27.73	74.50	62.42	92.34	74.22	16.50
MAY	9.35	6.24	73.58	15.89	27.96	30.61	28.36	22.93	70.75	53.24	84.14	46.14	16.50
JUN	11.98	18.54	33.15	34.24	27.98	26.47	24.29	17.71	60.60	45.60	77.55	48.78	16.50
JUL	26.52	37.35	73.75	52.39	16.49	19.54	17.59	22.41	60.39	46.13	76.03	48.64	16.50
AUG													
SEPT													
OCT													
NOV													
DEC													

(a) Pentanes Plus obtained as a specification gas product,
(b) Propane and Butane obtained as specification products, and
(c) Pentanes Plus, Propane and Butane contained in a natural gas liquids mix.

Note: For details on "Prior Period Amendment Effects", see Attachment 2A.

PRIOR PERIOD AMENDMENT EFFECTS				
NGL REFERENCE PRICES	July 2008			
	Propane	*Butanes*	*Pentanes*	
Price before amendments	440.222929	643.136528	891.103863	
Opening Rollover (from prior business mth)	0.004883	-0.003938	0.004620	
Prior Period Amendment Adj. (NGL-100)	0.000000	0.000000	0.000000	
Published Reference Price	**440.23**	**643.13**	**891.11**	

TRANSPORTATION ALLOWANCES	July 2008											
	Pentanes Plus				Propane and Butane				Pentanes Plus, Propane & Butane			
AMENDMENTS	Region 1	Region 2	Region 3	Region 4	Region 1	Region 2	Region 3	Region 4	Region 1	Region 2	Region 3	Region 4
Opening Rollover (from prior business mth)	-0.004565	0.002461	-0.004610	0.003966	0.003489	-0.001998	0.002078	-0.004329	0.002632	-0.003286	-0.004185	-0.001422
Prior Period Amendment Adj. (NGL-100)	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	-1.672116	0.000000	0.000002
Total Amendment Effect	-0.004565	0.002461	-0.004610	0.003966	0.003489	-0.001998	0.002078	-0.004329	0.002632	-1.675402	-0.004185	-0.001420
Calculated Transp. Differential	26.520854	37.347720	73.755201	52.386232	16.484807	19.542275	17.588081	22.416224	60.392268	47.803778	76.032149	48.644441
Calculated Transp. Differential after Total Amendments	26.516289	37.350181	73.750591	52.390198	16.488296	19.540277	17.590159	22.411895	60.394900	46.128376	76.027964	48.643021
Published Transportation Allowance	**26.52**	**37.35**	**73.75**	**52.39**	**16.49**	**19.54**	**17.59**	**22.41**	**60.39**	**46.13**	**76.03**	**48.64**

2008
ROYALTY RATES

MONTH	METHANE-OLD (% per GJ)	METHANE-NEW (% per GJ)	ETHANE - OLD (% per GJ)+	ETHANE - NEW (% per GJ)	PROPANE (% per m^3)	BUTANES (% per m^3)	PENTANES – OLD (POL) (% per m^3)	PENTANES - NEW (PNE) (% per m^3)
JAN	35.00000	30.00000	35.00000	30.00000	30.00000	30.00000	47.56587	33.86987
FEB	35.00000	30.00000	35.00000	30.00000	30.00000	30.00000	47.59147	33.88175
MAR	35.00000	30.00000	35.00000	30.00000	30.00000	30.00000	47.86095	34.00687
APR	35.00000	30.00000	35.00000	30.00000	30.00000	30.00000	48.09344	34.11481
MAY	35.00000	30.00000	35.00000	30.00000	30.00000	30.00000	48.21037	34.16910
JUN	35.00000	30.00000	35.00000	30.00000	30.00000	30.00000	48.30651	34.21374
JUL	35.00000	30.00000	35.00000	30.00000	30.00000	30.00000	48.24570	34.18550
AUG								
SEPT								
OCT								
NOV								
DEC								